

---

# Accepted Papers

---

## List of accepted papers

---

All papers are available [online](#).

The papers are presented without any special order.

- **Ranking with a P-Norm Push**  
Cynthia Rudin
- **Memory-Limited U-Shaped Learning**  
Lorenzo Carlucci, John Case, Sanjay Jain, Frank Stephan
- **On Learning Languages from Positive Data and a Limited Number of Short Counterexamples**  
Sanjay Jain, Efim Kinber
- **The Rademacher Complexity of Linear Transformation Classes**  
Andreas Maurer
- **On Optimal Learning Algorithms for Multiplicity Automata**  
Laurence Bisht, Nader Bshouty, Hanna Mazzawi
- **Optimal oracle inequality for aggregation of classifiers under low noise condition**  
Guillaume Lecué
- **Online Learning with Variable Stage Duration**  
Shie Mannor, Nahum Shimkin
- **Exact Learning Composed Classes With a Small Number of Mistakes**  
Nader Bshouty, Hanna Mazzawi
- **Parent Assignment Is Hard for the MDL, AIC, and NML Costs**  
Mikko Koivisto
- **Active Sampling for Multiple Output Identification**  
Shai Fine, Yishay Mansour
- **Discriminative Learning can Succeed where Generative Learning Fails**  
Phil Long, Rocco Servedio
- **Online Learning meets Optimization in the Dual**  
Shai Shalev-Shwartz, Yoram Singer
- **DNF are Teachable in the Average Case**  
Homin Lee, Rocco Servedio, Andrew Wan
- **Improved Lower Bounds for Learning Intersections of Halfspaces**  
Adam Klivans, Alexander Sherstov

- **A randomized online learning algorithm for better variance control**  
Jean-Yves Audibert
- **Online Tracking of Linear Subspaces**  
Koby Crammer
- **Learning Bounds for Support Vector Machines with Learned Kernels**  
Nathan Srebro, Shai Ben-David
- **Efficient Learning Algorithms Yield Circuit Lower Bounds**  
Lance Fortnow, Adam Klivans
- **Online Multitask Learning**  
Ofer Dekel, Phil Long, Yoram Singer
- **Function classes that approximate the Bayes risk**  
Ingo Steinwart, Don Hush, Clint Scovel
- **Tracking the Best Hyperplane with a Simple Budget Perceptron**  
Nicolò Cesa-Bianchi, Claudio Gentile
- **Subset Ranking using Regression**  
David Cossock, Tong Zhang
- **Logarithmic Regret Algorithms for Online Convex Optimization**  
Elad Hazan, Adam Kalai, Satyen Kale, Amit Agarwal
- **Significance and Recovery of Block Structures in Binary Matrices with Noise**  
Xing Sun, Andrew Nobel
- **Unifying Divergence Minimization and Statistical Inference via Convex Duality**  
Yasemin Altun, Alex Smola
- **Online Variance Minimization**  
Manfred K. Warmuth, Dima Kuzmin
- **Teaching Randomized Learners**  
Frank Balbach, Thomas Zeugmann
- **Functional classification with margin conditions**  
Magalie Fromont, Christine Tuleau
- **Learning rational stochastic languages**  
François Denis, Yann Esposito, Amaury Habrard
- **The Shortest Path Problem Under Partial Monitoring**  
Andras György, Tamás Linder, György Ottucsák
- **Online Learning with Constraints**  
Shie Mannor, John Tsitsiklis
- **Uniform convergence of adaptive graph-based regularization**  
Matthias Hein
- **Improving Random Projections Using Marginal Information**  
Ping Li, Trevor J. Hastie, Kenneth W. Church
- **Competing with wild prediction rules**  
Vladimir Vovk
- **PAC Learning Mixtures of Gaussians with No Separation Assumption**  
Jon Feldman, Rocco Servedio, Ryan O'Donnell
- **Stable Transductive Learning**

- Ran El-Yaniv, Dmitry Pechyony
- **Mercer's Theorem, Feature Maps, and Smoothing**  
Ha Quang Minh, Partha Niyogi, Yuan Yao
- **Aggregation and Sparsity via L<sub>1</sub> Penalized Least Squares**  
Florentina Bunea, Alexandre Tsybakov, Marten Wegkamp
- **Uniform-Distribution Learnability of Noisy Linear Threshold Functions with Restricted Focus of Attention**  
Jeffrey C. Jackson
- **Maximum Entropy Distribution Estimation with Generalized Regularization**  
Miroslav Dudík, Robert E. Schapire
- **A Sober Look at Clustering Stability**  
Shai Ben-David, Ulrike von Luxburg, Dávid Pál
- **Learning near-optimal policies with Bellman-residual minimization based fitted policy iteration and a single sample path**  
András Antos, Csaba Szepesvári, Rémi Munos
- **The Binning Algorithm**  
Jacob Abernethy, John Langford, Manfred K. Warmuth